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**APPLICANTS RESPONSE TO OFFICE ACTION**

Date: August 7, 2005

(Application No. 10/792,197

(Filing Date: 03/04/2004

(Applicant: Edmondson, Jerry M.

(Examiner: Gerald A. Michalsky

(Art Unit: 3753

Responsive to Office Action dated 05/24/2005 please amend the patent application for my invention entitled "Hydrodynamics Control Method and Apparatus" as follows:

1. Please accept the replacement drawing enclosed which has been changed to correct the deficiencies objected to per items 1 and 2 of the office action. The drawing was changed to add figure number designations Fig. 1a and Fig. 2a and to show mechanisms labeled as 100a, 100b, 100c, 100d, 100e and 100f for the external adjustment of the permeability of the permeable barrier.
2. Please accept Replacement Sheet 4R in substitution of sheet 4. Revisions have been made to correct for the drawing changes, adding descriptions for Fig. 1a and Fig. 2a.
3. Please accept Replacement Sheet 5R in substitution of sheet 5 which has been amended to add the numbering of the external adjusting mechanisms.
4. Please accept page 6R-A which cancels claims 1 through 4 and reiterates the withdrawal of claims 5 through 7 and please accept the enclosed page 6R-B which adds new claims 8,9,10 and 11.

I believe the new claims better define my invention "highlighting" the novelty of my invention in teaching that each barrier shall have the facility for varying its permeability at different areas of that same barrier so that, for instance, on the portion of the barrier through which the water flows the permeability can be regulated for less permeability since the viscosity of the water is lower than that of the oil.

5. Regarding my invention being anticipated by Bull, Buchanan and Fenwick the

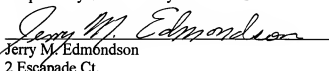
Bull and Buchanan figures sited illustrate that all of the louvers move in unison and Fenwick teaches that the louvers are to be vertical with each vertical member extending all the way through the vapor, oil and gas spaces precluding the opening area being regulated individually to provide different opening sizes in each of the vapor, oil and water strata's.

If the sited inventors recognized a value in being able to have various amounts of opening spacing in different areas of a contiguous louver stack it wasn't mentioned in the descriptions of the sited inventions.

I hope that the new claims presented, better describe the novelty and usefulness of my invention and therefore can be allowed for issuance of a patent.

If the examiner feels there is a better way to present the patentable matter I will certainly consider an examiners amendment.

Respectfully Submitted by the Inventor

  
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